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(19) Europäisches Patentamt
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(11) EP 0 809 244 A3

(12) EUROPEAN PATENT APPLICATION

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(54) Software copying system

(57) A software copying system which enables copyrighted software recorded in a master storage medium (1; 60) to be copied to a user's target storage medium (3; 40) in a legitimate manner. A contents identifier reading unit (2) reads out a software identifier (SIDi; DID) from the master storage medium (1; 60), while a storage medium identifier reading unit (4) reads out a storage medium identifier (IDk; Mid) from the target storage medium (3; 40). The two identifiers are then sent to a central site (5) which manages licenses for the right to copy software products. At the central site (5), a signature generating unit (6) produces a first signature (CS) from those identifiers and sends it back to the user's site, where a signature writing unit (7) writes the received signature into the target storage medium (3; 40). A signature generating/comparing unit (8) produces a second signature (CS') out of the same identifiers as those sent to the central site (5), and compares it with the first signature (CS) stored in the target storage medium (3; 40). A data copying unit (9) copies the subject software data file from the master storage medium (1; 60) to the target storage medium (3; 40), only when the first and second signatures (CS, CS') coincide with each other.

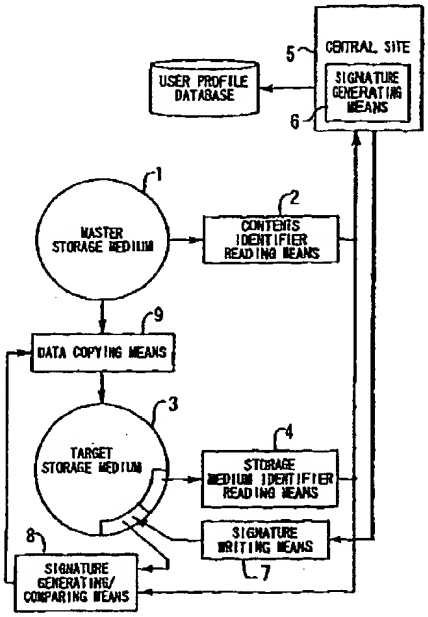

FIG. 1

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European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 96 11 8541

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	4 November 1998	Ogor, M

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X : particularly relevant if taken alone
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A : technological background
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P : intermediate document

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D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

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(19) Europäisches Patentamt
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(74) Representative:
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(54) Improvements in or relating to security systems

(57) The invention consists of attaching or embedding a "TIRIS" transponder (or other RF or IR or barcode or other identifying device) physically into the center of the proposed DVD disk. Once a disk is input to a media player, the interrogation portion of the media player transmits an interrogation signal to the transponder located on the disk. Once empowered with the interrogation signal, the transponder accesses the predetermined address, code word , encryption algorithms, media type information, and copyright information from it's memory. Then the transponder transmits the address, the code word, encryption algorithms, media type information and copyright information to the interrogator, located within the media player, and the interrogator sends the transponder data stream to a conditional access management processor(CAMP).. Simultaneously with the processing action of the CAMP, the interrogator instructs the player to access the data_word at the predetermined address on the disk and the player accesses the data_word on the disk. The media player only plays if there is a match between the read data_word and received code word and the received algorithm correctly decrypts the content of the media prior to decoding.

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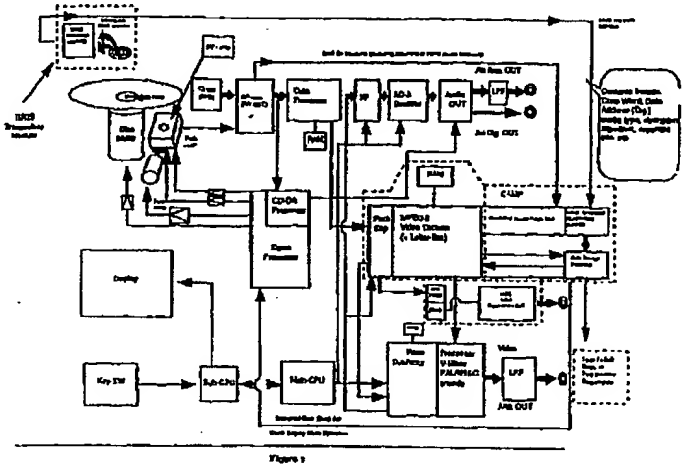
Block Diagram of DVD Player (ROM Type for Published Media) + TIRIS cypher



3NSDOCID: <EP___0849734A3_I_>

European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 12 2526

DOCUMENTS CONSIDERED TO BE RELEVANT

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 12 2526

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 12 2526

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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